Programmes After Market Services
NSB-5 Series Transceivers

General Information

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AMENDMENT RECORD SHEET

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Introduction

This chapter contains details of the technical specifications for the Transceiver, general technical information and a list of products/modules together with their associated order codes.

NSB–5 is a handheld cellular phone for the US GSM network. It has a GSM 1900 transceiver, providing16 power levels with a maximum output power of 1W (Power class 4).

The basic handportable package offers the user a standard battery pack and travel charger for charging from mains. Accessories and other options are also listed in this chapter.

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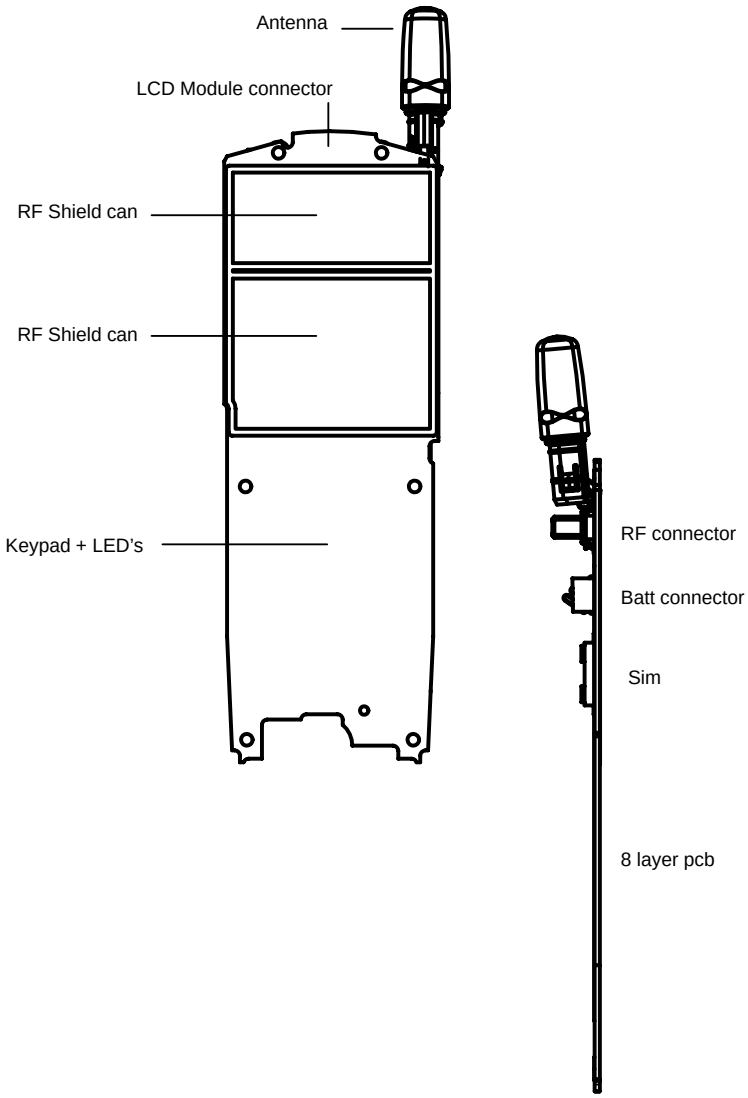

Figure 1: A Side Cross Sectional View

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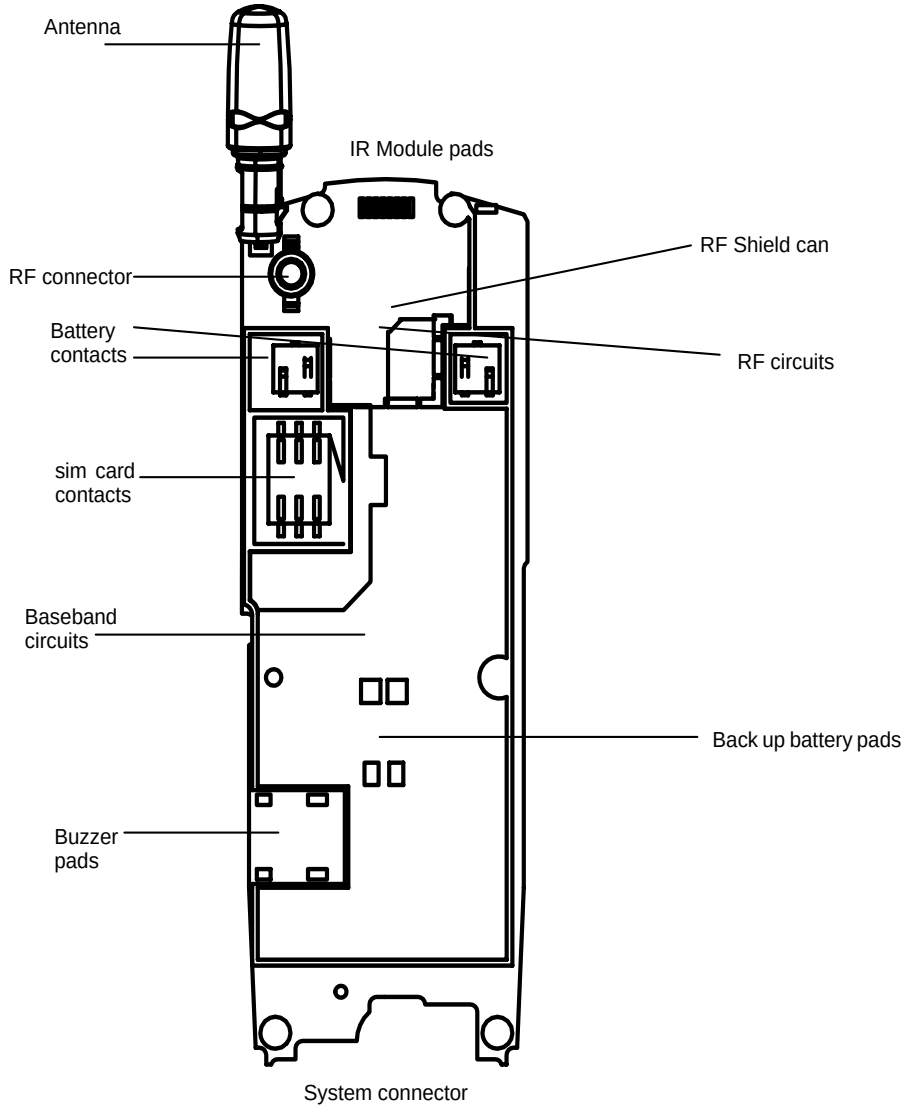

Figure 2: B Side Cross Sectional View

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Modules and Accessories

Modules

Unit/Type:	Product Code:	Module Code:
Transceiver NSB-5	0501689	
System Module UG8		0201192
UIF Module		9480401
MNSE5 Mechanical Assembly		0261713

Accessories

All accessories are deemed non-serviceable unless stated.

Slim Battery BLS-2 900mAh	0670206
Standard Battery BMS-2 900 mAh	0671323
Vibrator Battery BMS-2V 900 mAh	0670204
Extended Battery BLS-4 1500 mAh	0670207
AC Travel Charger ACP-7E (EUR) 207-253 Vac	0675144
AC Travel Charger ACP-7U (US) 108-132 Vac	0675143
AC Travel Charger ACP-7P (US) 207-253 Vac	0675147
AC Travel Charger ACP-7C (US) 198-242 Vac	0675158
AC Travel Charger ACP-7X (UK) 207-253 Vac	0675145
AC Travel Charger ACP -7H (UK) 180-220 Vac	0675146
AC Travel Charger ACP-7A (AUS) 216-264 Vac	0675148
Cigarette Lighter Charger LCH-9	0675120
Desktop Stand DCH-9	0700049
Mobile Holder MBC-1	0700060
Mobile Holder MCC-1	0620043
Handsfree Unit HFU-2	0694049
Power Cable PCH-4J	0730055
HF Microphone HFM-8	0690016
HF Speaker HFS-12	0692008
Mounting Plate MKU-1	0620036
Swivel Mount HHS-9	0620037
Headset HDC-9P	0694069

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Belt Clip BCH-12	0720098
External Antenna Cable XRC-1	0730103
Data Adapter Cable DAC-2	0730106
DLR-3P	0730183

Mobile Accessories

Mobile Holder MBT-5	0620030	
Handsfree Unit PHF-3	0694030	
• HF/charger module DC9		0200656
• mechanics MPHF3		0260681
Power Cable PCH-4J	0730055	
HF Microphone HFM-7	0690012	
HF Speaker HFS-9	0692007	
Mounting Plate MKE-7	0650021	
Swivel Plate HHS-7	0650020	
Power Cable XLC-1	0730060	

Technical Specifications

General Specifications

Temperature range (Extreme conditions) - specifications fulfilled	-10^{o}C to +55^{o}C
Operating time (BLS-2S)	
• talk time	2 h 30 min - 4 h 30 min
• standby time	55-260 h
Battery voltage (nominal) (max)	 3.6v 4.1
Dimensions (H x W x D)	125 x 53 x 24 mm
Weight	
• transceiver + BLS-2S (battery)	141 g

Electrical Specifications

Parameter	**Unit**
Cellular system	GSM1900

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Parameter	Unit
RX frequency band	1930.2 ... 1989.8 MHz GSM1900
TX frequency band	1850.2 ... 1909.8 MHz GSM1900
Output power	+/-2 ... +30 dBm/ 1 mW ... 1 W GSM1900
Duplex spacing	80 MHz GSM1900
Number of RF channels	299 GSM1900
Channel spacing	200 kHz
Number of TX power levels	GSM1900 16
Sensitivity, static channel	-102 dBm/ BER <2.439% GSM
Frequency error, static channel	± 180 Hz
RMS phase error	< 5.0^{o}
Peak phase error	< 20.0^{o}

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